

**METHODS FOR EFFICIENT PRODUCTION OF MAMMALIAN  
RECOMBINANT PROTEINS**

5      **ABSTRACT OF THE DISCLOSURE**

A process has been developed for the production of human recombinant polypeptides using transformed mammalian cells cultured in a horizontally rotating culture vessel modulated to create low shear, high mass transfer conditions. The resulting recombinant polypeptide has bioactivity and is produced in increase amounts.

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